

ABSTRACT

A method, components and a system are provided for implementing power control for wireless communication transmissions that provides, inter alia, a remedy for the mismatch of initial transmission power for NRT data by estimating a bias error based and adjusting the transmission power by a compensation amount for an averaged bias error estimation over all data set transmissions, such as sequential Temp-DCH allocations in a UMTS system. An alternative approach for a UMTS system estimates the bias error at a RNC based on an averaged transmit code power measurement by a base station and applies a bias error compensation to the initial DL transmit power at the RNC.